BRUHAT BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA DIVISION
KODIGEHALLI SUB DIVISION

Package 02:- includes 3 works of Rs 228.00 lakhs.

1).Desilting and Repairto side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura..

2).Construction and improvements to toilets in Kempapura, Yogeshnagara, Amruthanagara and surrounding areas in ward no.07 Byatarayanapura.

3). Improvements to Burial Grounds and Crematorium in Ward No. 07, Byatarayanapura.

Job code:- 007-18-000012 and 007-18-000016 and 007-18-000019

Agency:- M/s Nischal Constructions.
Sri.Naveen Rao, N
No.363, 10th main, 1st cross, Sampige Layout,
Vijayanagara, Bangalore- 560079

BRUHAT BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA DIVISION: KODIGEHALLI SUB DIVISION;
WARD NO-07 BYATARAYANAPURA
ABSTRACT

Job codes : 007-18-000012 and 007-18-000016 and 007-18-000019
P Code: 3297 and 3294 and 3291
Agency: M/S Nischal Constructions
First and Part Bill

Sl No	Description	Unit	Qty	Rate	Amount	Remarks
40	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.	cum				
	Sun Name of work					
	Desilting and Repairs side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.		0.00			
	Improvements to Burial Grounds and Crematorium in Ward No. 07, Byatarayanapura.		520.76			
	Present Qty		**520.76**			
	Previous Qty		0			
	Total		520.76			
	BOQ Qty		861.82			
	Qty for payment		**520.76**	**225.00**	**117171**	NDP AE(L2)
41	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	cum				
	Sun Name of work					
	Desilting and Repairs side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.		86.43			
	Improvements to Burial Grounds and Crematorium in Ward No. 07, Byatarayanapura.		34.88			
	Present Qty		**121.30**			
	Previous Qty		0.00			
	Total		121.30			
	BOQ Qty		194.84			

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	Qty for payment		121.30	6000.00	727821	NDP AE(W) 12/18
48	Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.	cum				
	Sun Name of work					
	Desilting and Repairs side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.		0.00			
	Improvements to Burial Grounds and Crematorium in Ward No. 07, Byatarayanapura.		1126.08			
	Present Qty		**1126.08**			
	Previous Qty		0.00			
	Total		1126.08			
	BOQ Qty		1296			
	Qty for payment		**1126.08**	**1115.00**	**1255580**	NDP AE(W) 12/18
10	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	tonne				
	Sun Name of work					
	Desilting and Repairs side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.		26.62			
	Improvements to Burial Grounds and Crematorium in Ward No. 07, Byatarayanapura.		0.37			
	Present Qty		**26.99**			
	Previous Qty		0.00			
	Total		26.99			
	BOQ Qty		35.63			
	Qty for payment		**26.99**	**72000.00**	**1943149**	NDP AE(W)

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12	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. (with 6% Area Weightage)	Sqm				
	Sun Name of work					
	Desilting and Repairs side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.		1040.16			
	Improvements to Burial Grounds and Crematorium in Ward No. 07, Byatarayanapura.		22.56			
	Present Qty		784.56	1062.72		
	Previous Qty		0.00			
	Total		784.56	1062.72		
	BOQ Qty		1101.34			
	Qty for payment		**784.56**	**347.00**	368764	NDP DE(HS)
15	Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications	Sqm	1062.72			
	Sun Name of work					
	Desilting and Repairs side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.		0.00			
	Improvements to Burial Grounds and Crematorium in Ward No. 07, Byatarayanapura.		2620.29			
	Present Qty		**2620.29**			
	Previous Qty		0.00			
	Total		2620.29			
	BOQ Qty		3990			
	Qty for payment		**2620.29**	**178.00**	**466412**	NDP DE(HS)
21	: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. (With area weightage 6 %)	Sqm				
	Sun Name of work					

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	Desilting and Repairs side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.		0.00			
	Improvements to Burial Grounds and Crematorium in Ward No. 07, Byatarayanapura.		2620.29			
	Present Qty		**2620.29**			
	Previous Qty		0.00			
	Total		2620.29			
	BOQ Qty		3990			
	Qty for payment		**2620.29**	**100.00**	**262029**	NDP AE(W7)
42	: Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications	cum				
	Sun Name of work					
	Desilting and Repairs side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.		443.34			
	Improvements to Burial Grounds and Crematorium in Ward No. 07, Byatarayanapura.		4.09			
	Present Qty		**447.43**			
	Previous Qty		0.00			
	Total		447.43			
	BOQ Qty		590.82			
	Qty for payment		**447.43**	**7000.00**	**3132016**	NDP AE(W7)
43	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification.	cum				
	Sun Name of work					

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	Desilting and Repairs side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.		0.00			
	Improvements to Burial Grounds and Crematorium in Ward No. 07, Byatarayanapura.		130.17			
	Present Qty		**130.17**			
	Previous Qty		0.00			
	Total		130.17			
	BOQ Qty		144.00			
	Qty for payment		**130.17**	**2570.00**	**334537**	NDP DE(HT)
44	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	cum				
	Sun Name of work					
	Desilting and Repairs side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.		0.00			
	Improvements to Burial Grounds and Crematorium in Ward No. 07, Byatarayanapura.		256.01			
	Present Qty		**256.01**			
	Previous Qty		0.00			
	Total		256.01			
	BOQ Qty		444.15			
	Qty for payment		**256.01**	**4900.00**	**1254425**	NDP DE(HT)
45	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	cum				
	Sun Name of work					
	Desilting and Repairs side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.		0.00			
	Improvements to Burial Grounds and Crematorium in Ward No. 07, Byatarayanapura.		144.49			
	Present Qty		**144.49**			
	Previous Qty		0.00			

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	Total		144.49			
	BOQ Qty		232.27			
	Qty for payment		**144.49**	**5800.00**	**838045**	NDP DE(HQ)
5	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications(With area weightage 6 %)	cum				
	Sun Name of work					
	Desilting and Repairs side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.		257.40			
	Improvements to Burial Grounds and Crematorium in Ward No. 07, Byatarayanapura.		0.00			
	Present Qty		**257.40**			
	Previous Qty		0.00			
	Total		257.40			
	BOQ Qty		274.2			
	Qty for payment		**257.40**	**5941.00**	**1529214**	NDP DE(HQ)
53	Excavation and removal of silt or silt mixed with sand in slushy condition from canal bed including jack well disposing off the same in spoil bank or on the canal embankment in layers as directed etc., complete with initial lead upto 50 m and all lifts.MISR 2014-15	cum				
	Sun Name of work					
	Desilting and Repairs side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.		312.75			
	Improvements to Burial Grounds and Crematorium in Ward No. 07, Byatarayanapura.		0.00			
	Present Qty		**312.75**			
	Previous Qty		0.00			
	Total		312.75			
	BOQ Qty		422.3			
	Qty for payment		**312.75**	**407.00**	**127290**	NDP DE(HQ)
46	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications	Sqm				
	Sun Name of work					

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	Desilting and Repairs side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.		498.00			
	Improvements to Burial Grounds and Crematorium in Ward No. 07, Byatarayanapura.		642.18			
	Present Qty		**1140.18**			
	Previous Qty		0.00			
	Total		1140.18			
	BOQ Qty		1579.2			
	Qty for payment		**1140.18**	**120.00**	**136822**	NDP AE(W)
54	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications	cum				
	Sun Name of work					
	Desilting and Repairs side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.		81.90			
	Improvements to Burial Grounds and Crematorium in Ward No. 07, Byatarayanapura.		0.00			
	Present Qty		**81.90**			
	Previous Qty		0.00			
	Total		81.90			
	BOQ Qty		90.26			
	Qty for payment		**81.90**	**6500.00**	**532350**	NDP AE(W)
47	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	cum				
	Sun Name of work					

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	Desilting and Repairs side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.		0.00			
	Improvements to Burial Grounds and Crematorium in Ward No. 07, Byatarayanapura.		25.60			
	Present Qty		**25.60**			
	Previous Qty		0.00			
	Total		25.60			
	BOQ Qty		44.42			
	Qty for payment		**25.60**	**6900.00**	**176643.45**	NDP DE(W2)
49	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete)	M				
	Sun Name of work					
	Desilting and Repairs side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.		0.00			
	Improvements to Burial Grounds and Crematorium in Ward No. 07, Byatarayanapura.		163.20			
	Present Qty		**163.20**			
	Previous Qty		0.00			
	Total		163.20			
	BOQ Qty		547.2			
	Qty for payment		**163.20**	**1007.00**	**164342.4**	NDP DE(W2)
50	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint.	M				
	Sun Name of work					

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	Desilting and Repairs side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.		0.00			
	Improvements to Burial Grounds and Crematorium in Ward No. 07, Byatarayanapura.		405.00			
	Present Qty		**405.00**			
	Previous Qty		0.00			
	Total		405.00			
	BOQ Qty		1641			
	Qty for payment		**405.00**	**398.00**	**161190**	NDP Detail
51	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint	Sqm				
	Sun Name of work					
	Desilting and Repairs side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.		0.00			
	Improvements to Burial Grounds and Crematorium in Ward No. 07, Byatarayanapura.		243.00			
	Present Qty		**243.00**			
	Previous Qty		0.00			
	Total		243.00			
	BOQ Qty		912.6			
	Qty for payment		**243.00**	**810.00**	**196830**	NDP Detail
52	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per	Sqm				
	Sun Name of work					

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	Desilting and Repairs side Walls of Storm Water Drain from Byatarayanapura Iyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L & T Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to Mandi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in Ward No. 07, Byatarayanapura.		0.00			
	Improvements to Burial Grounds and Crematorium in Ward No. 07, Byatarayanapura.		17.28			
	Present Qty		**17.28**			
	Previous Qty		0.00			
	Total		17.28			
	BOQ Qty		17.55			
	Qty for payment		**17.28**	**3607.00**	**62328.96**	
		GRAND TOTAL			13786960	

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18/9/18

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Bangalore - 560 092
18/9/18

MEASUREMENT SHEETS

ne of Work: Estimate for Desilting and Repairto side Walls of Storm Water Drain from tarayanapura lyyappa Temple road to Bata Showroom near (NH-7 Bellary road) from L Compound to Venkatesh Reddy House at Byatarayanpura (from Kriyanna House to ndi Appaiah farm House and from Gullappa Nursery (NH-7) to Amruthahali Lake in rd No. 07, Byatarayanapura.

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Excavation and removal of silt or silt mixed with sand in slushy condition from canal bed including jack well disposing off the same in spoil bank or on the canal embankment in layers as directed etc., complete with initial lead upto 50 m and all								
	Desilting of Existing drain								
	From Snehanagara to khashinagara								
	0-30		1	30.00	0.75	0.60	13.50		
	30-60		1	30.00	0.75	0.60	13.50		
	60-90		1	30.00	0.75	0.60	13.50		
	90-120		1	30.00	0.75	0.60	13.50		
	120-150		1	30.00	0.75	0.60	13.50		
	150-180		1	30.00	0.75	0.60	13.50		
	180-210		1	30.00	0.75	0.60	13.50		
	210-230		1	20.00	0.75	0.60	9.00		
	From Di pillappa layout to Amruthalli lake								
	0-30		1	30.00	0.75	1.20	27.00		
	30-60		1	30.00	0.75	1.20	27.00		
	60-90		1	30.00	0.75	1.50	33.75		
	90-100		1	10.00	0.75	1.50	11.25		
	From Aswathkatte to ragi mill flour mill								
	0-30		1	30.00	0.75	1.20	27.00		
	30-60		1	30.00	0.75	1.20	27.00		
	60-90		1	30.00	0.75	1.50	33.75		
	90-110		1	20.00	0.75	1.50	22.50		
							312.75	407.00	**127289**
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of **mix 1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.45cum machine mixed, machine								
	For laying bottom								
	From Snehanagara to								
	30-60		1.00	30.00	0.75	0.15	3.38		
	120-150		1.00	30.00	0.75	0.15	3.38		

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180-210		1.00	30.00	0.75	0.15	3.38		
210-230		1.00	20.00	0.75	0.15	2.25		
From Di pillappa layout to Amruthalli lake								
0-30		1	30	0.75	0.15	3.38		
60-90		1	30	0.75	0.15	3.38		
90-100		1	30	0.75	0.15	3.38		
From Aswathkatte to ragi mill flour mill								
0-30		1	30	0.75	0.15	3.38		
30-60		1	30	0.75	0.15	3.38		
60-90		1	30	0.75	0.15	3.38		
90-110		1	20	0.75	0.15	2.25		
						34.88	6000.00	**209250**
KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of								
From Snehanagara to								
0-30		2	30	0.45	0.60	16.20		
30-60		2	30	0.45	0.60	16.20		
60-90		2	30	0.45	0.60	16.20		
90-120		2	30	0.45	0.60	16.20		
120-150		2	30	0.45	0.60	16.20		
150-180		2	30	0.45	0.60	16.20		
180-210		2	30	0.45	0.60	16.20		
210-230		2	20	0.45	0.60	10.80		
From Di pillappa layout to Amruthalli lake								
0-30		2	30	0.60	0.45	16.20		
30-60		2	30	0.60	0.45	16.20		
60-90		2	30	0.60	0.45	16.20		
90-100		2	10	0.60	0.45	5.40		
From Aswathkatte to ragi mill flour mill								
0-30		2	30	0.60	0.60	21.60		
30-60		2	30	0.60	0.60	21.60		
60-90		2	30	0.60	0.60	21.60		
90-110		2	20	0.60	0.60	14.40		
	cum					**257.40**	5941.00	**1529213**

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NDP AE(W) 10/8

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KSRB 15.1.3 Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications								
From Snehanagara to								
0-30		2	30		0.6	36.00		
30-60		2	30		0.6	36.00		
60-90		2	30		0.6	36.00		
90-120		2	30		0.6	36.00		
120-150		2	30		0.6	36.00		
150-180		2	30		0.6	36.00		
180-210		2	30		0.6	36.00		
210-230		2	20		0.6	24.00		
From Di pillappa layout to Amruthalli lake								
0-30		2	30		0.45	27.00		
30-60		2	30		0.45	27.00		
60-90		2	30		0.45	27.00		
90-100		2	10		0.45	9.00		
From Aswathkatte to ragi mill flour mill								
0-30		2	30		0.6	36.00		
30-60		2	30		0.6	36.00		
60-90		2	30		0.6	36.00		
90-110		2	20		0.6	24.00		
	Sqm					**498.00**	120.00	**59760**
KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete								
Bottom								
From Snehanagara to								
30-60		1	30.00	0.75	0.15	3.38		
120-150		1	30.00	0.75	0.15	3.38		
180-210		1	30.00	0.75	0.15	3.38		
210-230		1	30.00	0.75	0.15	3.38		
From Di pillappa layout to Amruthalli lake								
0-30		1	30	0.75	0.15	3.38		
60-90		1	30	0.75	0.15	3.38		
90-100		1	30	0.75	0.15	3.38		
From Aswathkatte to ragi mill flour mill								

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	From Aswathkatte to ragi mill flour mill								
	0-30		1	30	0.75	0.15	3.38		
	30-60		1	30	0.75	0.15	3.38		
	60-90		1	30	0.75	0.15	3.38		
	90-110		1	20	0.75	0.15	2.25		
	coping on side walls								
	From Snehanagara to khashinagara								
	0-30		2	30	0.45	0.10	2.70		
	30-60		2	30	0.45	0.10	2.70		
	60-90		2	30	0.45	0.10	2.70		
	90-120		2	30	0.45	0.10	2.70		
	120-150		2	30	0.45	0.10	2.70		
	150-180		2	30	0.45	0.10	2.70		
	180-210		2	30	0.45	0.10	2.70		
	210-230		2	20	0.45	0.10	1.80		
	From Di pillappa layout to Amruthalli lake								
	0-30		2	30	0.6	0.10	3.60		
	30-60		2	30	0.6	0.10	3.60		
	60-90		2	30	0.6	0.10	3.60		
	90-100		2	10	0.6	0.10	1.20		
	From Aswathkatte to ragi mill flour mill								
	0-30		2	30	0.6	0.10	3.60		
	30-60		2	30	0.6	0.10	3.60		
	60-90		2	30	0.6	0.10	3.60		
	90-110		2	20	0.6	0.10	2.40		
							81.90	6500.00	**532350**
	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) :								
		Sqm					**0.00**		**0.00**
6	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of Design mix M20** with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with								
	Covering Slab								
	From Snehanagara to khashinagara								
	0-30			55	1.80	0.60	59.40		
	30-60			55	1.80	0.60	59.40		

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	From Aswathkatte to ragi mill flour mill								
	0-30		1	30	0.75	0.15	3.38		
	30-60		1	30	0.75	0.15	3.38		
	60-90		1	30	0.75	0.15	3.38		
	90-110		1	20	0.75	0.15	2.25		
	coping on side walls								
	From Snehanagara to khashinagara								
	0-30		2	30	0.45	0.10	2.70		
	30-60		2	30	0.45	0.10	2.70		
	60-90		2	30	0.45	0.10	2.70		
	90-120		2	30	0.45	0.10	2.70		
	120-150		2	30	0.45	0.10	2.70		
	150-180		2	30	0.45	0.10	2.70		
	180-210		2	30	0.45	0.10	2.70		
	210-230		2	20	0.45	0.10	1.80		
	From Di pillappa layout to Amruthalli lake								
	0-30		2	30	0.6	0.10	3.60		
	30-60		2	30	0.6	0.10	3.60		
	60-90		2	30	0.6	0.10	3.60		
	90-100		2	10	0.6	0.10	1.20		
	From Aswathkatte to ragi mill flour mill								
	0-30		2	30	0.6	0.10	3.60		
	30-60		2	30	0.6	0.10	3.60		
	60-90		2	30	0.6	0.10	3.60		
	90-110		2	20	0.6	0.10	2.40		
							81.90	6500.00	**532350**
	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) :								
		Sqm					**0.00**		**0.00**
6	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of Design mix M20** with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with								
	Covering Slab								
	From Snehanagara to khashinagara								
	0-30			55	1.80	0.60	59.40		
	30-60			55	1.80	0.60	59.40		

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore [illegible] Palike
Bangalore - 560 092

	60-90			55			59.40		
	90-120			55			59.40		
	120-150			55			59.40		
	150-180			55			59.40		
	180-210			50	1.80	0.60	54.00		
	210-230			40	1.80	0.60	43.20		
	From Di pillappa layout to Amruthalli lake								
	0-30			55	1.50	0.60	49.50		
	30-60			55	1.50	0.60	49.50		
	60-90			55	1.50	0.60	49.50		
	90-100			31	1.50	0.60	27.90		
	From Aswathkatte to ragi mill flour mill								
	0-30			55	1.80	0.60	59.40		
	30-60			55	1.80	0.60	59.40		
	60-90			55	1.80	0.60	59.40		
	90-110			35	1.80	0.60	37.80		
		cum					**443.34**	7000.00	**3103380**
7	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members								
		Nos	16mm	Total Le	12m m				
	Covering Slab								
	From Snehanagara to khashinagara		**No of slabs x no of bars x le**		**No of slabsxnos of bars x length**				
	0-30	55	8	792	12	990			
	30-60	55	8	792	12	990			
	60-90	55	8	792	12	990			
	90-120	55	8	792	12	990			
	120-150	55	8	792	12	990			
	150-180	55	8	792	12	990			
	180-210	50	8	720	12	900			
	210-230	40	8	576	12	720			
	From Di pillappa layout to Amruthalli lake								
	0-30	55	8	792	12	990			
	30-60	55	8	792	12	990			
	60-90	55	8	792	12	990			

NPD DE(154)

Assistant Executive Engineer
Koramangala Division
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90-100	31	8	446.4	12	558			
From Aswathkatte to ragi mill flour mill								
0-30	55	8	792	12	990			
30-60	55	8	792	12	990			
60-90	55	8	792	12	990			
90-110	35	8	504	12	630			
			11750.4		14688			
			18565.6		9106.6	26.62		
					26619	26.619	72000.00	**1916568**
KSRB 4-6.4 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth cills and string courses cost of all								
From Snehanagara to khashinagara								
0-30		1	55	1.8	0.60	59.40		
30-60		1	55	1.8	0.60	59.40		
60-90		1	55	1.8	0.60	59.40		
90-120		1	55	1.8	0.60	59.40		
120-150		1	55	1.8	0.60	59.40		
150-180		1	55	1.8	0.60	59.40		
180-210		1	50	1.8	0.60	54.00		
210-230		1	40	1.8	0.60	43.20		
From Di pillappa layout to Amruthalli lake								
0-30		1	55	1.8	0.60	59.40		
30-60		1	55	1.8	0.60	59.40		
60-90		1	55	1.8	0.60	59.40		
90-100		1	31	1.8	0.60	33.48		
From Aswathkatte to ragi mill flour mill								
0-30		1	55	1.8	0.60	59.40		
30-60		1	55	1.8	0.60	59.40		
60-90		1	55	1.8	0.60	59.40		
90-110		1	35	1.8	0.60	37.80		
Side wall								
From Snehanagara to khashinagara								
0-30		2	55	0.60	0.15	9.90		

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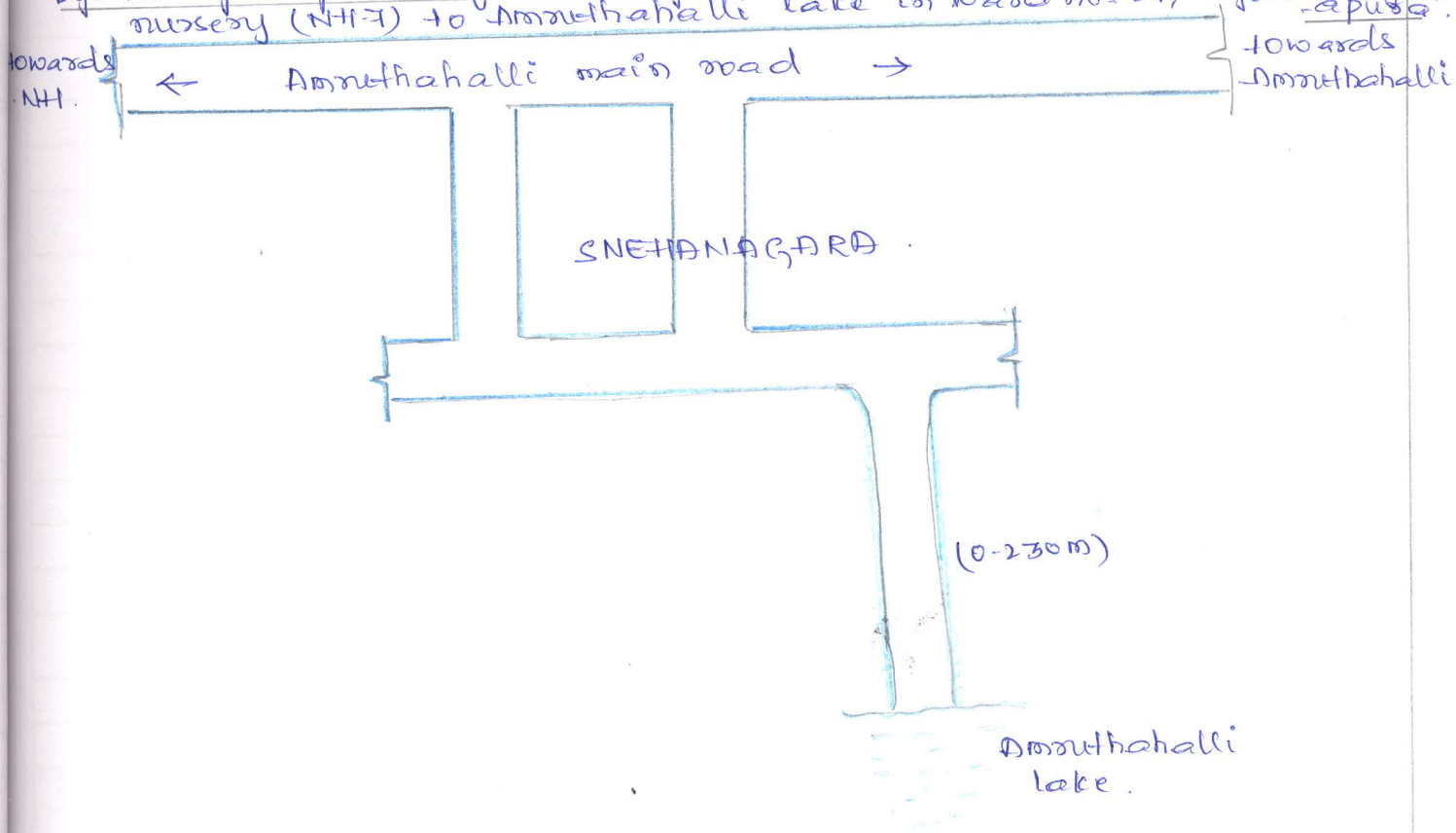
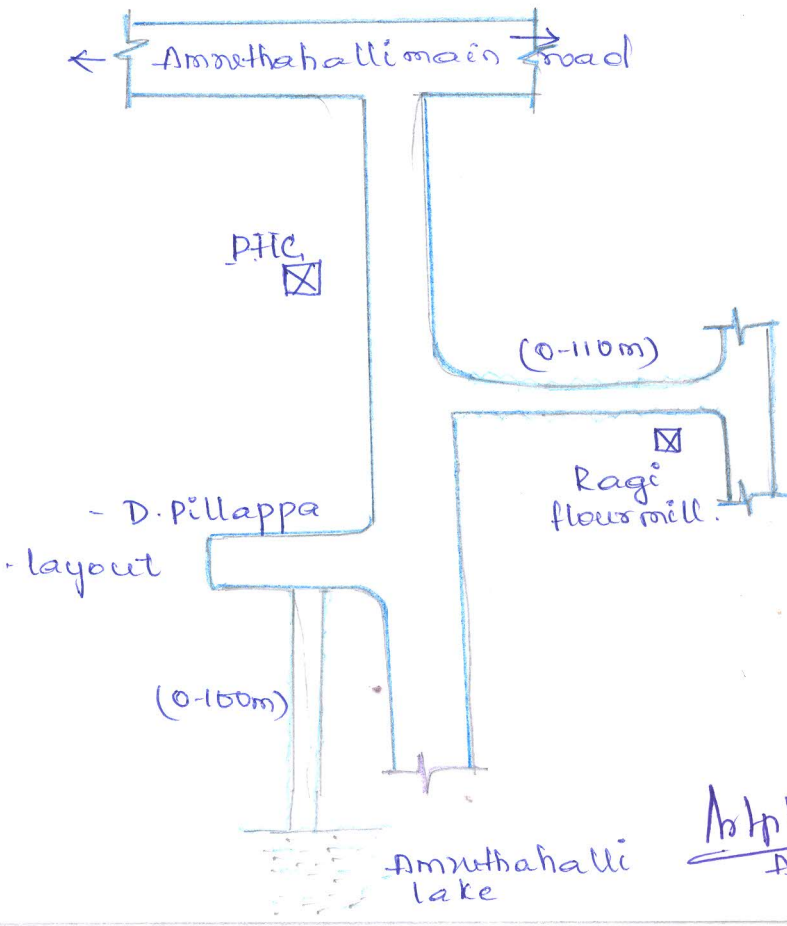
30-60		2	55	0.60	0.15	9.90		
60-90		2	55	0.60	0.15	9.90		
90-120		2	55	0.60	0.15	9.90		
120-150		2	55	0.60	0.15	9.90		
150-180		2	55	0.60	0.15	9.90		
180-210		2	50	0.60	0.15	9.00		
210-230		2	40	0.60	0.15	7.20		
From Di pillappa layout to Amruthalli lake								
0-30		2	55	0.60	0.15	9.90		
30-60		2	55	0.60	0.15	9.90		
60-90		2	55	0.60	0.15	9.90		
90-100		2	31	0.60	0.15	5.58		
From Aswathkatte to ragi mill flour mill								
0-30		2	55	0.60	0.20	13.20		
30-60		2	55	0.60	0.20	13.20		
60-90		2	55	0.60	0.20	13.20		
90-110		2	35	0.60	0.20	8.40		
						1040.16		
						1040.16	347.00	**360936**
								7838746

Assistant Engineer
Ward No. 07

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

Desilting and repairs side walls of storm water drain from byatarayanapura Pyyappa temple road to bata showroom near (NH-7 bellary road) from 187 compound to venkatesh reddy house at byatarayanapura (from kariyanna house and from gullappa nursery (NH-7) to Amruthahalli lake in ward no. 01, byatarayanapura.





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	- location of drain.

Asst. Ex. Engr. (Civil)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
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Name of Work: Estimate for Improvements to Burial Grounds and Crematorium in Ward No. 07, Byatarayanapura.

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork **excavation by manual means in ordinary soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.								
	Byatarayanapura compund- SC Burial ground								
			1	54.00	1.00	0.90	48.60		
			1	15.00	1.00	0.90	13.50		
	Byatarayanapura compund- General Burail ground		1	18.00	1.00	0.90	16.20		
			1	92.00	1.00	0.90	82.80		
			1	25.00	1.00	0.90	22.50		
			1	78.40	1.00	0.90	70.56		
	Khasinagara BG-1		1	49.00	1.00	0.90	44.10		
			1	19.00	1.00	0.90	17.10		
	Khasinagara BG-2		1	43.50	1.00	0.90	39.15		
			1	27.00	1.00	0.90	24.30		
			1	13.00	1.00	0.90	11.70		
	Hebbal burial ground- chainlink fencing		1	135.00	1.00	0.90	121.50		
	For placing gate		4	1.35	1.35	1.20	8.75		
		Cum					**520.76**	225.00	**117171.00**
2	KSRB 4-1.2 : Providing and laying in position **plain cement concrete of mix 1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation** including cost of all materials, labour, HOM of machinery, curing complete as per specifications.								
	For Foundation								
	Byatarayanapura compund- SC Burial ground								
			1	54	1	0.15	8.10		
			1	15	1	0.15	2.25		
	Byatarayanapura compund- General Burail ground		1	18	1	0.15	2.70		
			1	92	1	0.15	13.80		
			1	25	1	0.15	3.75		
			1	78.4	1	0.15	11.76		
	Khasinagara BG-1		1	49	1	0.15	7.35		
			1	19	1	0.15	2.85		
	Khasinagara BG-2		1	43.5	1	0.15	6.53		
			1	27	1	0.15	4.05		
			1	13	1	0.15	1.95		

NDD DE(HQ) 30/7/12

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	Hebbal burial ground- chainlink fencing		1	135	1	0.15	20.25		
	For placing gate		4	1.35	1.35	0.15	1.09		
							86.43	6000.00	**518571.00**
3	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of Design mix M20** with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc.,** including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of								
	Gate Piller		4	1.20	1.20	0.60	3.46		
			4	0.23	0.23	3.00	0.63		
							4.09	7000.00	**28636.00**
4	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 -								
	Consider 90 Kg/Cum		0.09	4.09			0.37		
		#####					**0.37**	72000.00	**26508.00**
5	KSRB 4-6.4 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications.								
	Columns Footing		4	4.80		0.60	11.52		
			4	0.92		3.00	11.04		
							22.56	347.00	**7828.00**
6	KSRB 2.8 : Providing and **Filling in foundation with granite / trap broken metal** 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS								
	Byatarayanapura compund- SC Burial ground								
			1	54	1	0.3	16.20		
			1	15	1	0.3	4.50		
	Byatarayanapura compund- General Burail ground		1	18	1	0.3	5.40		
			1	92	1	0.3	27.60		
			1	25	1	0.3	7.50		
			1	78.4	1	0.3	23.52		
	Khasinagara BG-1		1	49	1	0.3	14.70		
			1	19	1	0.3	5.70		
	Khasinagara BG-2		1	43.5	1	0.3	13.05		
			1	27	1	0.3	8.10		
			1	13	1	0.3	3.90		
	Hebbal burial ground- chainlink		1	135	1	0.3	0.00		
							128.00	444.15	627212.00

NDP AE(HW) 07/8/18

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NDP AE(HW)

NDP AE(HW)

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7	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6, stone** hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.								
	Byatarayanapura compund- SC Burial ground								
			1	54	0.75	0.60	24.30		
			1	15	0.75	0.60	6.75		
	Byatarayanapura compund- General Burail ground		1	18	0.75	0.60	8.10		
			1	92	0.75	0.60	41.40		
			1	25	0.75	0.60	11.25		
			1	78.4	0.75	0.60	35.28		
	Khasinagara BG-1		1	49	0.75	0.60	22.05		
			1	19	0.75	0.60	8.55		
	Khasinagara BG-2		1	43.5	0.75	0.60	19.58		
			1	27	0.75	0.60	12.15		
			1	13	0.75	0.60	5.85		
	Hebbal burial ground- chainlink fencing		1	135	0.75	0.60	60.75		
							256.01	4900.00	**1254425.00**
8	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.								
	Byatarayanapura compund- SC Burial ground								
			1	54	0.45	0.60	14.58		
			1	15	0.45	0.60	4.05		
	Byatarayanapura compund- General Burail ground		1	18	0.45	0.60	4.86		
			1	92	0.45	0.60	24.84		
			1	25	0.45	0.60	6.75		
			1	78.4	0.45	0.60	21.17		
	Khasinagara BG-1		1	49	0.45	0.60	13.23		
			1	19	0.45	0.60	5.13		
	Khasinagara BG-2		1	43.5	0.45	0.60	11.75		
			1	27	0.45	0.60	7.29		
			1	13	0.45	0.60	3.51		
	Hebbal burial ground- chainlink fencing		1	135	0.45	0.45	27.34		
		Cum					**144.49**	5800.00	**838045.00**
9	KSRB 15.1.3 Providing **ruled pointing** to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications								
	Byatarayanapura compund- SC Burial ground								
			2	54		0.6	64.80		

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			2	15		0.6	18.00		
	Byatarayanapura compund- General Burail ground		2	18		0.6	21.60		
			2	92		0.6	110.40		
			2	25		0.6	30.00		
			2	78.4		0.6	94.08		
	Khasinagara BG-1		2	49		0.6	58.80		
			2	19		0.6	22.80		
	Khasinagara BG-2		2	43.5		0.6	52.20		
			2	27		0.6	32.40		
			2	13		0.6	15.60		
	Hebbal burial ground- chainlink fencing		2	135		0.45	121.50		
							642.18	120.00	**77062.00**
10	KSRB 4-1.5 : Providing and laying in position **plain cement concrete of mix M20** with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine								
	Byatarayanapura compund- SC Burial ground								
			1	54	0.45	0.10	2.43		
			1	15	0.45	0.10	0.68		
	Byatarayanapura compund- General Burail ground		1	18	0.45	0.10	0.81		
			1	92	0.45	0.10	4.14		
			1	25	0.45	0.10	1.13		
			1	78.4	0.45	0.10	3.53		
	Khasinagara BG-1		1	49	0.45	0.10	2.21		
			1	19	0.45	0.10	0.86		
	Khasinagara BG-2		1	43.5	0.45	0.10	1.96		
			1	27	0.45	0.10	1.22		
			1	13	0.45	0.10	0.59		
	Hebbal burial ground- chainlink fencing		1	135	0.45	0.10	6.08		
							25.60	6900.00	**176643.00**
11	KSRB 5-14 : Providing and constructing load bearing wall with **solid concrete blocks of size 400x150x200 mm having block** density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4								
	Byatarayanapura compund- SC Burial ground								
			1	54		2.70	145.80		
			1	15		2.70	40.50		
	Byatarayanapura compund- General Burail ground		1	18		2.70	48.60		
			1	92		2.70	248.40		
			1	25		2.70	67.50		

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			1	78.4		2.70	211.68		
	Khasinagara BG-1		1	49		2.40	117.60		
			1	19		2.40	45.60		
	Khasinagara BG-2		1	43.5		2.40	104.40		
			1	27		2.40	64.80		
			1	13		2.40	31.20		
							1126.08	1115.00	**1255579.00**
12	KSRB15-3.3 : Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.								
	Byatarayanapura compund- SC Burial ground								
			2	54		2.85	307.80		
			2	15		2.85	85.50		
	Plastering - old wall		2	50		2.85	285.00		
	Byatarayanapura compund- General Burail ground		2	18		2.85	102.60		
			2	92		2.85	524.40		
			2	25		2.85	142.50		
			2	78.4		2.55	399.84		
	Khasinagara BG-1		2	49		2.55	249.90		
			2	19		2.55	96.90		
	Khasinagara BG-2		2	43.5		2.55	221.85		
			2	27		2.55	137.70		
			2	13		2.55	66.30		
							2620.29	178.00	**466412.00**
13	KSRB 15-16.1 : Providing and finishing external walls in two coats with **waterproof cement paint** of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer.								
			Qty Vide Item No. 12				2620.29		
							2620.29	100.00	**262029.00**
14	Supplying and fixing **M.S. Rectangular poles** made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete)								
	For Hebbal burial ground Chain Link Fenicing		68	2.40			163.20		
							163.20	1007.00	**164342.00**
15	Providing and fixing **M.S. Block pipe** of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint.								

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	Chain Link Fencing Hebbala Brial Ground		3	135.00			405.00		
							405.00	398.00	**161190.00**
16	Providing **chain link fencing** 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint								
	Chain Link Fencing Hebbala Brial Ground		1	135.00		1.80	243.00		
		Sqm					**243.00**	810.00	**196830.00**
17	Providing and fixing **M.S. Gate** as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation.								
			1	3.70	1.80		6.66		
			1	3.40	1.80		6.12		
			1	2.50	1.80		4.50		
							17.28	3607.00	**62329.00**
								TOTAL	**5948137**

NDD DE(Wz) 15/9

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NDD DE(Wz) 17/9

Assistant Engineer
Ward No. 07

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
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Kodigehalli Sub Division
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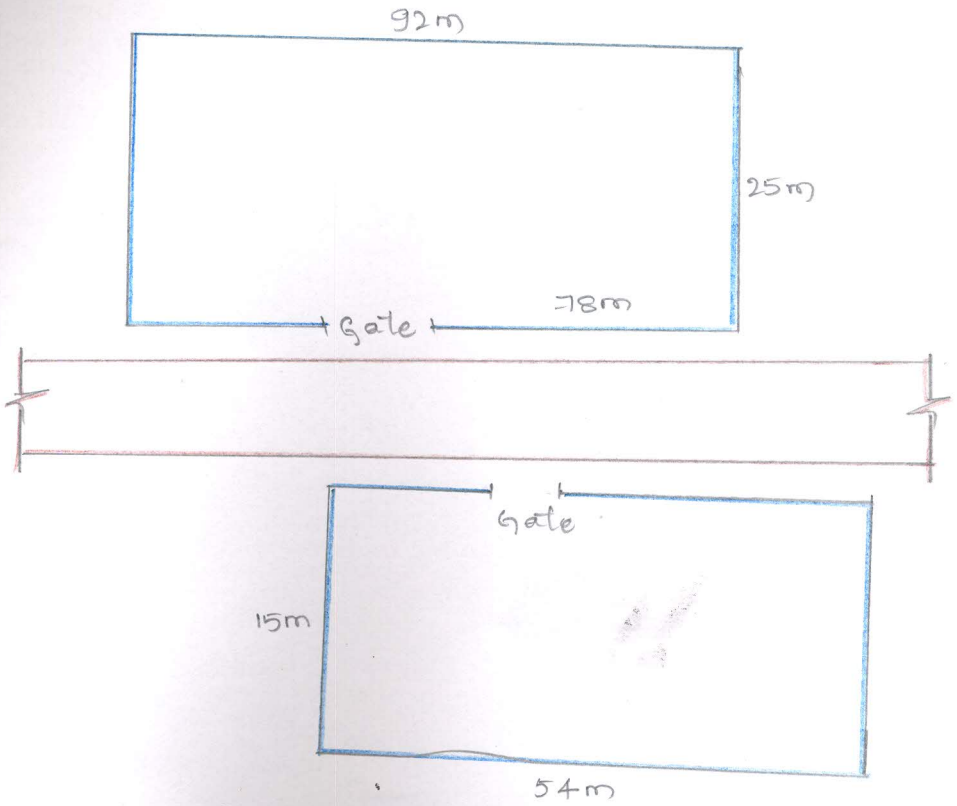
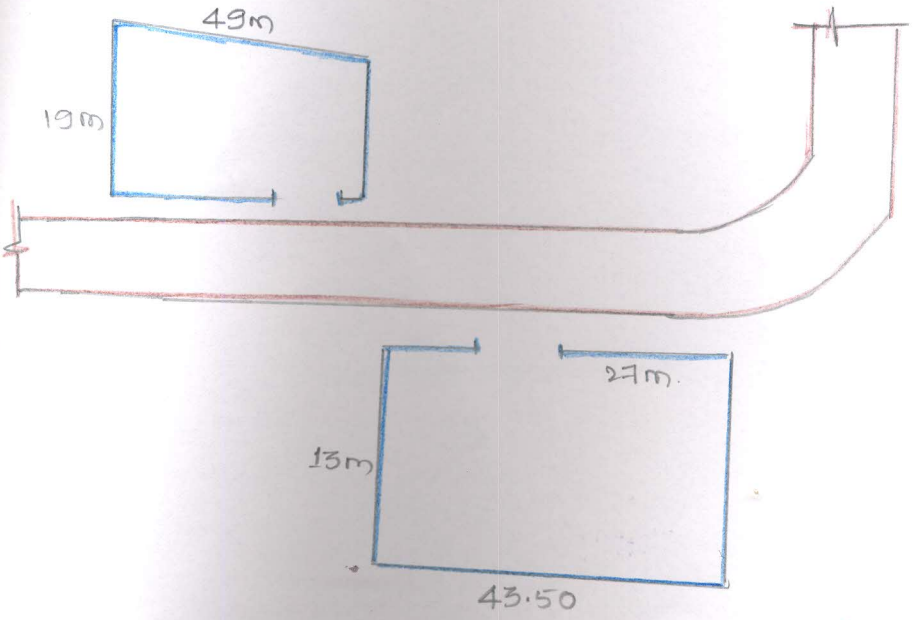
Bangalore - 560 092

EE

Improvements to burial grounds and crematorium in ward no.07. byalasayanapura.



BYATARAYANAPURA



Khasinagara

Dy.Exe.N.D
AE(WT)